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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,005	08/31/2006	Kirill Zyskovich Bochaver	V-323	4673
7590 0529/2908 PATENTTM.US P. O. BOX 82788 PORILAND, OR 97282-0788			EXAMINER	
			SINGH, PREM C	
			ART UNIT	PAPER NUMBER
			1797	
				-
			MAIL DATE	DELIVERY MODE
			05/29/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/554.005 BOCHAVER, KIRILL ZYSKOVICH Office Action Summary Examiner Art Unit PREM C. SINGH 1797 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 31 August 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Claim Rejections - 35 USC § 103

 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148
 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - Determining the scope and contents of the prior art.
 - Ascertaining the differences between the prior art and the claims at issue.
 - Resolving the level of ordinary skill in the pertinent art.
 - Considering objective evidence present in the application indicating obviousness or nonobviousness.
- Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Letechin (WO 02/14412 A1).
- 4. With respect to claims 1-3, Letechin discloses a method for recycling organic polymer waste including rubber and thermal liquefaction of wastes at a temperature of at least 270°C at increased pressure (up to 6.1 MPa) in at least one solvent, i.e., alkyl benzene; separation of the liquid fraction and its distillation characterized in that in the

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course of thermal liquefaction of the waste an increased pressure is applied while after the distillation a part of the liquid fraction whose boiling point is at about 210°C, is introduced during the thermal liquefaction of a new batch to be processed, an additional component is added to the solvent at a mass ratio of at least 1:1 (See page 11, claim 1, lines 3-12). Letechin further discloses that the mass ratio of solvent to waste is selected within the range from 1:1 to 4.2:1 (See page 11, claim 2, lines 13-15).

Letechin does not specifically disclose catalytic reforming of a part of the liquid fraction boiling below 220°C.

It is to be noted that the liquid boiling below 210°C comprises light naphtha. It is also to be noted that Letechin uses only a part of the liquid boiling below 210°C as the solvent in the next batch of thermal liquefaction. Thus, the remaining part of liquid boiling below 210°C (i.e., light naphtha) must be used elsewhere. Thus, it would have been obvious to one skilled in the art at the time the invention was made to modify Letechin invention and use the fraction boiling below 210°C elsewhere, for example, in a catalytic reforming unit and making the fraction highly suitable for upgrading to a valuable gasoline product (evidenced by Wright, US Patent 4,569,749: column 2, lines 7-13).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cha et al (US Patent 5.389.691).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to PREM C. SINGH whose telephone number is (571)272-6381. The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/In Suk Bullock/ Examiner, Art Unit 1797